



SEQUENCE LISTING

<110> GARCIA-BLANCO, MARIANO A.
CARSTENS, RUSS P.

<120> ALTERNATIVE SPLICING OF FIBROBLAST GROWTH FACTOR
RECEPTOR 2 mRNA IN PROSTATE CANCER

<130> 1579-321

<140> 09/465,802

<141> 1999-12-17

<150> 60/112,856

<151> 1998-12-17

<160> 49

<170> PatentIn Ver. 2.1

<210> 1

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 1

ctgcaggaca aactcttcgc ggtctctatg catcctccga acggtgaagac cctaagctt 59

<210> 2

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 2

cccgggggta ccgggcgaat tcgaattcga gctcactc 38

<210> 3

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 3

cccgggacta gtaagcttag gctcttggcg tt 32

<210> 4

Ab
B9
a

<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 4
ccggactagt cactaccgtt ctccaccact 30

<210> 5
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 5
ccggctcgag ggtcggaaat cattcgaaac 30

Ab
BSA
<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 6
ccggactagt aagcccaagg ggccagcagt 30

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 7
ccggctcgag acgaagagcc aagggcgcct 30

<210> 8
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 8
ccggctcgag ggctagacat aggaatgatt 30

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 9
ccggactagt caacgttttt gtgtttgtgt 30

<210> 10
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 10
ccggcatatg gcggccgcca aacaaattca aagagaac 38

<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 11
ccggatgcat atcgatgcga ttgaacacat ggaaaa 36

<210> 12
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 12
ggaagcgact cccgctcgtg tagataacta cgatacgga gggcttacca tctggcccca 60
gtgat 65

<210> 13
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

Onb
B9
✓

<400> 13
cgatcactgg ggccagatgg taagccctcc cgtatcgtag ttatctacac gacggggagt 60
cgc 63

<210> 14
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 14
ggccgcaaac aaattcaaag agaacggact ctgtat 36

<210> 15
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 15
cgatacagag tccgttctct ttgaatttgt ttggc 35

<210> 16
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 16
ggccgcgggc tgatttttcc atgtgttcaa tcgcat 36

<210> 17
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 17
cgatgcgatt gaacacatgg aaaaatcagc ccgc 34

<210> 18
<211> 45
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 18

ggccgcaaaa gagaacggac tctgtgggct gatttttcca tgtat

45

<210> 19

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 19

cgatacatgg aaaaatcagc ccacagagtc cgttctcttt ggc

43

<210> 20

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 20

ggccgcaaaa ctctacggac tctgtgggct gatttttcca tgtat

45

<210> 21

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 21

cgatacatgg aaaaatcagc ccacagagtc cgtagagttt ggc

43

<210> 22

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 22

ggccgcaaaa gagaacggac tctgtgggct gaaagatcca tgtat

45

<210> 23
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 23
cgatacatgg atcttttcagc ccacagagtc cgttctcttt ggc 43

<210> 24
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 24
ggccgcaaaa gagaacggac tctgtgggct gatttttcac gctat 45

<210> 25
<211> 43
<212> DNA
<213> Artificial Sequence

Ans
<220>
<223> Description of Artificial Sequence:Primer

BS
<400> 25
cgatagcgtg aaaaatcagc ccacagagtc cgttctcttt ggc 43

<210> 26
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 26
ggccgcaagt ggtggcctaa ctacggctac actagaagga cacat 45

<210> 27
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Primer

<400> 27

cgatgtgtcc ttctagtgtgta gccgtagtta ggccaccact tgc

43

<210> 28

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 28

ggccgcgggc tgatttttcc atgtat

26

<210> 29

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 29

cgatacatgg aaaaatcagc ccgc

24

<210> 30

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 30

ggccgcgggc tgatttttcc atgtgggctg atttttccat gtgggctgat ttttccatgt 60
at 62

<210> 31

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 31

cgatacatgg aaaaatcagc ccacatggaa aaatcagccc acatggaaaa atcagcccgc 60

<210> 32

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 32

cccgggtcta gatttatagt gatgccagc cc

32

<210> 33

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Primer

<400> 33

cccggggaat tcaccaccat gcaggcgatt aa

32

<210> 34

<211> 57

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:misc_RNA

<400> 34

caaacaaaau caaagagaac ggacucugug ggcugauuuu uccauguguu caaucgc

57

<210> 35

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Probe

<400> 35

gactccccgt cgtgtagata actacgatac gggagggctt accatctggc cccagtgat 59

<210> 36

<211> 29

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: misc_RNA

<400> 36

caaacaaaau caaagagaac ggacucugu

29

<210> 37

<211> 28

<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 37
gggcugauuu uucaugugu ucaaucgc

28

<210> 38
<211> 37
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 38
caaagagaac ggacucugug ggcugauuuu uccaugu

37

<210> 39
<211> 37
<212> ~~RNA~~ DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 39
caaactctac ggacucugug ggcugauuuu uccaugu

37

<210> 40
<211> 37
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 40
caaagagaac ggacucugug ggcugaaaga uccaugu

37

<210> 41
<211> 37
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 41
caaagagaac ggacucugug ggcugauuuu ucagcgu

37

dm
3-13-01
PR
3-13-01

mb
B91

<210> 42
<211> 37
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 42
aagugguggc cuaacuacgg cuacacuaga aggacac 37

<210> 43
<211> 17
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 43
gggcugauuu uuccaug 17

<210> 44
<211> 51
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 44
gggcugauuu uuccaugggg cugauuuuuc cauggggcug auuuuuocau g 51

<210> 45
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 45
ccauggaaaa agcccacaau 20

<210> 46
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 46
ccaugga~~aaa~~ agcccacaac

20

<210> 47
<211> 65
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: misc_RNA

<400> 47
caaacca~~aag~~ cacaggccaa gagaacggac cucugugggu ugauuuuuuc caugcguuug 60
auugc 65

<210> 48
<211> 1200
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Intron

Ab
BS

<400> 48
gtaacaacgt ttttgtgttt gtgttttttta ttttttattt ttattttttt ttttaagaaa 60
actgaatata ggagttaaaa aagactcggg gctttggggag gcagcaggca gcttctagaa 120
taactcttgt ggtcttggtta tatttataat gatctttctt tgggtggtgca gctggcgctca 180
tgccagtggc catggaaaaa tgcccacaat gttcaaagtg cttgaagatt atcttccacc 240
cccaccctgt tttcaagccc ttcttttctgg tctgtcttgt ttggactgca cacttcccgt 300
gatcactgtg tctgagtgca cgtgggcctt gcgtttgcag gcccgtcgag tctgcactct 360
ctgattatta agccagactt ggttgccttt tatgctagtg acatagagaa atgctagcat 420
gataggattc acctaacgaa agttttgttc tttgggttga ttccacaccg gatccttttc 480
aaaactggag aatggttatc ttctagtgcg tatgacactg gaggatagtg aaggcagatg 540
gtggagtttt cagttatcat tcttcacacg cagacatatt catattagaa aaggaaacaa 600
accataaatc cagttttttc tgttaccagt attacacttt ctgccatgtt ctttcaatga 660
tcatataaag caagatgatt ttcggcctga atgaaattaa ccagaatcaa gtcaccaaga 720
taaagtccca ccctgggttc catggagcct gagggatgtg tgggatgtcc acctgatctg 780
ccgtgcttta ttccatcaca cagaaaatag aagagcctcc ctttttctca caattggagt 840
ctgcatccaa caggaccaga acccagatta gccctcaggg tattatactt tttggaaacc 900
cactcccaaa tccatattgca aacaaattca aagagaacgg actctgtggg ctgatttttc 960
catgtgttca atcgcatgca tgtctaaggt ggtgacgccg gtgtggtgat gggcctgcag 1020
aggtgagctg gccggtgtct ctcaagtgtct cttggttgtg ggctttgtgg acgggctgca 1080
gttgaatct cctgatggcc agcaccctt ggacctgctg ggacaaggcc tcttgggtcc 1140
aaggccccct ccacaatcat tcctatgtct agcctttttc ttgcttcgtt tgtttttctag 1200

<210> 49
<211> 1207
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Intron

<400> 49

gtaacaaatgc ttcatTTTTtgc tctTTTTTTta aaaagaaagc tggatataga agctgaaaag 60
 acttggTgct ttgggagact gcaggcagct tataggataa ctcttTgtggc cttgggtatat 120
 ttataataat ctttcttTcg tgatgcagct ggtatgatgc cagtagccat ggaaaaatgc 180
 ccacaacgTt caaagtgcTt gctccaattt cttctagaga ttagcctcca cccccacca 240
 gtttttaagt tgttcttTct ggttgatctt gtttaggctg cacatttccc atcattactg 300
 cacattaaca ccattttaaa cacacgcttc catgcctgtt taatacgggg catttgaata 360
 tcagcagagt ttgtccaagt ttttagggaa atattggcaa gatgcaattt gttcaacaaa 420
 gcatcatttc tttggttgca tgggtgatcc ttatgagttg ctgttcttga ccttggttgca 480
 ccaaatttga ggggagctca tcttaataaa tgtactactg gacgtacta aaggcaaaag 540
 gttgactttt taggtttTgc atgactcaca tccaaatgtt tattaatgaa aagagaaaaa 600
 gccagttttt tttggttacc aagatgatgc ttgtttccat ttctttttgt caatgctatg 660
 tagggcaaga tggatcgcga gaagtaaaaa taaccagagc ctggtaacca agacaacctt 720
 ccaccccaat tgggtcccac agggccagga ggatgggtga ggtgcccac tgggcttatg 780
 tgcagtgtgt tgtcttaaaa cacagcaatt tagatagaac taccctttcc tcttggtggg 840
 agtctgcagc caacaggacc agaaccagct tggccttctg ggcacctac ttttggaana 900
 ccacccctaa atgcaaacca aagcacaggc caagagaacg gacctctgtg ggttgatttt 960
 ttccatgcgt ttgattgcgt gcatgtgtag gaggtgaagc cgggtgtggt asgggectgt 1020
 ggaggtgagc tggtcagtgt tgctccgtgt ctctcggtt tgggactttg tggatgggct 1080
 gcagtcggaa tctcccagtg gccagacccc cctgaagccc ccggtgcgac gccttgtggt 1140
 tccacagccc cctccacaat cattcctgtg tcgtctagcc ttttctttg cttcccttgt 1200
 tttctag 1207

And
 BS
 M

a'